Nicule proxima. Common.
Area incongrua sily. Common.
Ara transersa Say. Common.
Aren pexatus saly. Common.
Aran americana Gray. Common.
Ara ponderosa Siy. Common.
Pecturulus sp.? Single valve.
Mytilus exustus L. Common.
Dytilus hamatus Say. Common.
Modiolu tulipa L. A few small specimens.
Modiole plicatula Lam. Common.
Modiola lignea Reeve. Two specimens attached to Corgonia.
Dreissensia lencophuata Conr. Common in brackish water.
Lithophatus appendiculata L. Common burrowing into Coquina.
Avicula atlantica Lam. Three specimens.
Aricula radiata Lam. One specimen attached to floating seaweed.

Pima seminudu Lam. Common.
Pinnu muricuta L. Common.
I'licatulu ramosa Lam. I few young specimens attached to coral.
Lima tonera Chemm. One livine specimen.
l'ecten dislocata Say. Living examples are rarely found.
Anomia ephippium L. Common.
Ositrea viginica Gmel.
Ostren equestris Say.
Ostica frons L. One specimen attached to Gorgonia.
Glottidiu antillarum var. pyramidata Stimp (Lingula). A specimen taken near the old light-house is in a private collection.

## WHY DOES PROPHYSAON SHED ITS TAIL?

BY W. J. RAYMON゙!.

While reading the March "Niatilus" my attention was directed to the foot-note on page 126 , in which is related Mr. Hemphill's extraordinary experience with a specimen of Prophysaon. I have twice had a similar experience while handling living animals of the same gemms, and think it may be of interest to record my ohservations.

In Augu-t, 1888, I collected on one occasion almout a dozen examples of Prophywan andersoni J. G. Cp., near the San Jowí reservir, above Lexington, Santa Clara County. While taking measirements of the living specimens, before putting them into alcohol. I noticed in several a contraction about two-thirds of the length from the head. This appeared as an indented line completely encircling the hody. Upon handling the slugs to examine this phenomenon more clowely, the line became deeper and in the case of two of the specimens the tail droped off, almost as readily as the ray of the socalled "brittle" starfish. Only with mature slugs did this happen. The young, constituting the majority of those captured, showed no signs of shedding their tails. Perhaps they had further use for them. The discarded appendages showed vitality for a short time only, when they went to join their owners in my collecting bottle.

Again, only a few weeks ago, I collected on the northern boundary of Oakland some Prophysaon hemphilli Bl. \& Binn. which together with Ariolimax Californicus and one of our smaller suecies: of Ariolimax, inhabit a marshy spot near the Bay shore. At home the next day when taking my captives out of the can into which they had been put, I noticed the same contraction taking place in the specimens of Prophysaon, but in no cave did it proceed to dismemberment. I put them into alcohol and in every one of them, seven in all, there is a well-marked, depressed line abont the hody near the tail, the body being attenuated behind the constriction, the whole looking very much as a soft iron wire looks just before it breaks under a tensile strain. In the largest specimen which measures 34 mm . contracted in alcohol, the depressed line is 8 mm . from the tail and is marked across the foot by a black line, as if the tissues were already almust severed. When collected there was no constriction visible.

In no other case have I observed this dropping of the tail among slugs, which seems as far as recorded to be confined to species of the genus Prophysaon. Here are the facts; who can explain them?

## NOTES ON SOME NORTH AMERICAN PUPIDE WITH DESCRIPTIONS OF NEW SPECIES.

BY DR. V. STERKI.
On my request, Mr. H. Hemphill, of San Diego. Cal., was so kind as to forward to me, for examination, all the North American

